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September 15, 2004

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Art Unit 1722

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 10/809,707; Filed: March 26, 2004

For: Valve Gated Nozzle Having a Valve Pin With a Sensor

Inventor:

George OLARU

Our Ref:

2107.1440001/TUM

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Information Disclosure Statement;
- 2. Form PTO/SB/08a (1 sheet) listing 15 cited documents (AA1-AI1 and BA1-BF1);
- 3. Form PTO/SB/08b (1 sheet) listing 6 cited documents (CA1-CF1);
- 4. A copy of the cited foreign patent documents and the non-patent literature documents (BA1-BF1 and CA1-CF1);
- 5. Power of Attorney to Prosecute Applications Before the USPTO;
- 6. Certificate Under 37 C.F.R. § 3.73(b) with a copy of the Assignment attached; and
- 7. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents September 15, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Dun U. Melle

Teresa U. Medler

Attorney for Applicant

Registration No. 44,933

TUM/shr Enclosures

SKGF_302481.1



N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George OLARU

Appl. No.: 10/809,707

Filed: March 26, 2004

For: Valve Gated Nozzle Having a Valve

Pin With a Sensor

Confirmation No.: 8115

Art Unit: 1722

Examiner: To be assigned

Atty. Docket: 2107.1440001/TUM

Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO/SB/08a and PTO/SB/08b are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO/SB/08a and PTO/SB/08b forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicant has checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- III 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).
- 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
 - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign

application not more than three months prior to the filing of this

	Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
□ b.	Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of
	information in this Information Disclosure Statement was cited in a
	communication from a foreign patent office in a counterpart foreign
	application and, to my knowledge after making reasonable inquiry, was
	known to any individual designated in 37 C.F.R. § 1.56(c) more than
	three months prior to the filing of this Information Disclosure Statement.
	37 C.F.R. § 1.97(e)(2).
The do	ocument(s) was/were cited in a search report by a foreign patent office in a
	rpart foreign application. Submission of an English language version of
the sea	rch report that indicates the degree of relevance found by the foreign office
is pro	vided in satisfaction of the requirement for a concise explanation of
relevar	nce. 1138 OG 37, 38.
A cond	cise explanation of the relevance of the non-English language documents
BA1,	BB1, BD1 and BE1 is provided by the English abstracts attached
respect	tively thereto.
Copies	of the documents BA1-BF1 and CA1-CF1 are submitted herewith.
Copies	of the documents were cited by or submitted to the Office in an IDS that
compli	es with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C.
§ 120.	Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
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George OLARU Appl. No. 10/809,707

🗵 9. No copies of U.S. patents and patent application publications cited on the

attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because

this application was filed after June 30, 2003.

10. It is expected that the examiner will review the prosecution and cited art in the

parent application no(s)._____ in accordance with MPEP 2001.06(b),

and indicate in the next communication from the office that the art cited in the

earlier prosecution history has been reviewed in connection with the present

application.

It is respectfully requested that the Examiner initial and return a copy of the

enclosed PTO/SB/08a and PTO/SB/08b form, and indicate in the official file wrapper of

this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee

deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Muella

Teresa U. Medler

Attorney for Applicant

Registration No. 44,933

Date: Syst. 15,2004

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Sheet

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INFORMATION DISCLOSURE	:
STATEMENT BY APPLICANT	•

(Use as many sheets as necessary) 2

	nplete If Known		
Application Number 10/809,707			
Filing Date March 26, 2004			
First Named Inventor	George OLARU		
Art Unit	1722		
Examiner Name	To Be Assigned		
Attorney Docket Number	2107.1440001/TUM		

Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant Passages	
Initials* No. ¹		Number-Kind Code ^{2 (If Known)}	MM-DD-YYYY	Cited Document	or Relevant Figures Appear	
	AA1	US-5,472,331	12-05-1995	Watkins		
	AB1	US-5,665,283	09-09-1997	Bader		
_	AC1	US-5,993,704	11-30-1999	Bader		
	AD1	US-6,090,318	07-18-2000	Bader		
	AE1	US-6,294,122	09-25-2001	Moss		
· ·	AF1	US-6,464,909	10-15-2002	Kazmer		
	AG1	US 6,585,505 B2	07-01-2003	Kazmer		
	AH1	US 6,638,050 B2	10-28-2003	Bazzo		
	AI1	US-2003/0072833 A1	04-17-2003	Olaru		
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		FC	DREIGN PATENT DOC	UMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ⁴ Kind Code ⁵ (in known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ ⁶
	BA1	JP 8244086	09-24-1996	Daiwa Kasei Kogyo KK		
	BB1	WO 99/59795	11-25-1999	Hofstetter		
	BC1	EP 0 967 063 A1	12-29-1999	Moss		
	BD1	JP 2001-88169	04-03-2001	Toshio		
	BE1	WO 02/081177 A1	10-17-2002	Frey		
	BF1	EP 1 277 560 A1	01-22-2003	Bazzo		

Examiner Signature	Date	
	Considered	•

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M PEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Transaction is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)

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Substitute fo	or form 1449l	B/PTO		Application Number	10/809,707	
INF	ORMA	TION DI	SCLOSURE	Filing Date	March 26, 2004	
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	George OLARU	
				Art Unit	1722	
,				Examiner Name	To Be Assigned	
Sheet	2	of	2	Attorney Docket Number	2107.1440001/TUM	

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		
- "	CA1	AKAR et al., "A Wireless Batch Sealed Absolute Capacitive Pressure Sensor," Sensors and Actuators, 2001, p. 29-38, Elsevier Science B.V.		
·	CB1	NUNNERY, Len, "Tooling Innovations for Thermoset Molding", Bulk Molding Compounds, Inc., September 2001, http://www.bulkmolding.com/technical-papers/technical_papers/tooling_thermosetmolding.pdf		
	CC1	KAZMER et al., "Wireless Pressure Sensor for InjectionMolding" Society of Plastics Engineers Annual Technical Conference: Sensors and Monitoring Special Interest Group, Nashville, Tenn., 2003		
	CD1	Bicking Robert E., "Fundamentals of Pressure Sensor Technology" http://www.sensorsmag.com/articles/1198/fun1198/fun1198_2.shtml , Nov. 1998		
	CE1	ZHANG et al., "A Self-Energized Sensor for Wireless Injection Mold Cavity Pressure Measurement: Design and Evaluation," ASME Journal of Dynamic Systems, to appear		
	CF1	ZHANG et al., "Development of a Wireless Pressure Sensor with Remote Acoustic Transmission," Journal of the North American Manufacturing Research Institute, Vol. XXX, pp. 573-580, 2002.		

Examiner Signature	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with M PEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

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